Discrete Mathematics
Volume 214, Numbers 1–3, 21 March 2000

Contents

Contributions

T. Albu and M.L. Teply
Generalized deviation of posets and modular lattices 1

J.-P. Allouche and G. Skordev
Schur congruences, Carlitz sequences of polynomials and automaticity 21

D. Archdeacon, J.H. Kwak, J. Lee and M.Y. Sohn
Bipartite covering graphs 51

A.F. Archer
On the upper chromatic numbers of the reals 65

J. Bang-Jensen, Y. Guo and A. Yeo
Complementary cycles containing prescribed vertices in tournaments 77

D.K. Biss
Hamiltonian decomposition of recursive circulant graphs 89

O.V. Borodin, A.V. Kostochka and B. Toft
Variable degeneracy: extensions of Brooks' and Gallai's theorems 101

J. Bray, C. Parker and P. Rowley
Cayley type graphs and cubic graphs of large girth 113

B. Chor, P. Lemke and Z. Mador
On the number of ordered factorizations of natural numbers 123

S.D. Cohen and D. Hachenberger
Primitivity, freeness, norm and trace 135

B.A. Davey, P.M. Idziak, W.A. Lampe and G.F. McNulty
Dualizability and graph algebras 145

V. Liskovets and R. Pöschel
Counting circulant graphs of prime-power order by decomposing into orbit enumeration problems 173

L.A. Sanchis
On the number of edges in graphs with a given connected domination number 193

J. Shen
Exponents of 2-regular digraphs 211

R. Škrekovski
List improper colorings of planar graphs with prescribed girth 221

Notes

M.O. Albertson, S. Grossman and R. Haas
Partial list colorings 235

S. El-Zanati, H.-L. Fu and C.-L. Shiue
On the α-labeling number of bipartite graphs 241

A. Gutiérrez, A.S. Lladó and S.C. López
Higher edge-connectivities and tree decompositions in regular graphs 245

O. Heden and M. Saggese
Bruen Chains in PG(3, p^k), $k \geqslant 2$ 251

R. Hochberg and M. Reid
Tiling with notched cubes 255

J.T. Moore
Continuous colorings associated with certain characteristics of the continuum 263

O. Pikhurko
Asymptotic evaluation of the sat-function for r-stars 275

S.N. Soffer
The Komlós–Sós conjecture for graphs of girth 7 279

M. Sonntag and H.-M. Teichert
Sum numbers of hypertrees 285

G.E. Turner III
An included-minor result for 3-connected graphs with contractible edges 291

Author index to volume 214 299